DRAFT - FOR DISCUSSION PURPOSES ONLY. MAY CONTAIN ERRORS. DO NOT CITE OR QUOTE.

= disagree
= agree but no arhived sample do to original volume limitations
= questions for EPA

Sediment Core	Archived Interval	Analytes							EPA Rationale	Agree?	Note
		Metals	Pesticides	PCBs	SVOCs	PAHs	Dioxin	TPH			
C011	C2						X		Additional dioxin delineation	Yes	
C011	E	X[a]							Mercury required due to increasing concentrations in core	Yes	
C015	B						X		Elevated levels of PCBs; spatial coverage for dioxin off shore of OSM	Yes	
C015	E	X							Elevated zinc in interval D	Yes	FSP already calls for this
C019	B2			X[b]			X		High levels of PCBs in interval B1	Yes	G019 was selected for congener analysis, Why not do B1 instead of B2? So aroclor/congener/ dioxin data from same sample
C025	B2			X[b]			X		High levels of PCBs in interval C1	Yes	G025 was selected for congener analysis. Why not do B1?
C061	D	X[a]							Elevated levels of mercury in interval C	Yes	
C067	A and B						X		Pentachlorophenol source nearby	Yes	
C093	A and B			X[b]			X	X	Elevated levels of PCBs and PAHs in intervals A and B	Yes	
C111-2	D2						X		Elevated levels of PCBs and dioxins in upper intervals	Agreed to change. Dropped PCB analysis.	
C111-2	B2			X[b]					Elevated levels of PCBs in interval B2	Yes	
C112	A, C and D							X	Elevated levels of PAHs; downstream of T4	Yes	
C112	B						X		Delineation of Dioxin offshore of Schnitzer	Yes	
C121	D							X	Vertical delineation of TPH	Yes	C121-D already selected for PCB/Pest/SVOCs/PAH analysis, TPH will be done if adequate archive volume
C133	C		X	X					Elevated levels of dioxin, DDT and PCBs in D interval	Yes	yes to PCBs, Total DDT levels comparable throughout area, will assume higher D level concentration extends upward to B level.
C135	B and D		X						DDT detected at elevated levels in surrounding cores and G134	Yes	
C135	D							X	Vertical delineation of TPH	Yes	
C136	B and C						X		Elevated detections of dioxin nearby (G133-D and B012)	Yes	
C138	A, B and D		X						DDT detected at elevated levels in surrounding cores	Yes	
C144	A, B and D		X	X			X		DDT and PCBs detected at elevated levels in surrounding cores; no dioxin samples nearby	Yes	C144 is an offshore core, C144-C is already selected for PAH analysis.
C147	D		X	X					Elevated levels of DDT and PCBs in C interval	Yes	
C148	B and D		X	X					DDT and PCBs detected at elevated levels in C147	Yes	
C152	E	X[a]						X	Vertical delineation of mercury and TPH	Yes	
C156	F	X[a]						X	Elevated levels of mercury and TPH detected in C interval	Agreed to change	Analyze F instead of D to get to max depth and interpolate conservatively.
C158	A, B and D		X	X					Spatial coverage	Yes	nearshore core concentrations are all low or U, nearby C162 (see below) will provide spatial coverage as will DMMP surface station G-30 which is slightly inshore and between C162 and C158.
C162	A, B and D		X	X					DDT and PCBs detected at elevated levels in C166	Yes	C162 is offshore and downstream of C166, so it makes sense. C162-D is already selected for metals, SVOC, and PAH analyses.
C164	D								Elevated levels of copper and lead in interval E	Agreed to change. Dropped metals analysis	C164-D interval begins at 9' below mudline and is only 2' thick. We have data on C and E that shows E having highest concentrations, we will assume E segment concentrations extend upward to C segment boundary. Dropped
C169	A and C		X	X					DDT and PCBs detected at elevated levels in surrounding cores	Yes	Nearby upstream core C171 contains elevated conc. C169-D archive already selected for metals, SVOC, and PAH analyses.
C172	D								Elevated levels of PCBs detected in C interval	Agreed to change. Dropped PCB analysis	C172-E already selected for metals, PCB, Pest, SVOC, and PAH analyses, Highest adjacent PCB and other analyte values will be applied to the D segment.
C173	B and D		X	X					DDT and PCBs detected at elevated levels in surrounding cores	Yes	Downstream core C171 shows elevated conce. C173-E already selected for metals, SVOC, and PAH analyses.
C182	D	X[a]						X	Elevated levels of mercury and TPH detected in C interval	Yes	TPH depth not delineated, but this sample is already slated for PCB, Pest, SVOC, PAH analyses - is volume sufficient? Hg Holding time expired.
C184	B			X[b]					Elevated levels of PCBs detected in core	Agreed to change. Dropped C interval	Why do need both? Do B only (higher conc), for congeners
C185	D							X	Elevated levels of TPH detected in C interval	Yes	

C196	A, B and C		X	X			X		Delineation of contamination at MarCom	Yes	yes to dioxins on A,B (C is thin and can extrapolate B level to bottom - sediments are sandy). No to PCBs/Pesticides as DMMP station C-23 and G-23 will provide delineation of these compounds in the immediate area
C202	D	X[a]						X	Elevated levels of mercury and TPH detected in C interval	Yes	
C203	C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of MarCom	Yes	
C207	B			X[b]					Subsurface congener data in vicinity of MarCom	Agreed to change. Analyze B interval	Select B instead of C
C215	B						X		Delineation of contamination at MarCom	Agreed to change. Dropped A, do dioxin in B	G215 (surface) collocated and analyzed for PCBs. C215-B and C already selected for PCB & Pest analyses.
C221	D								TPH concentrations increase with depth	Agreed to change. Dropped TPH, no archived sample	
C232	B						X		Potential pentachlorophenol source nearby	Yes	
C260	D	X[a]							Vertical delineation of mercury contamination	Yes	
C263	C			X[d]					Elevated levels of contamination in B interval; subsurface congener data at US Moorings	Agreed to change. Dropped metals, Hg, pest analyses in C.	Yes to congener analysies. Hg and pesticide concentrations in this intermediate interval can be conservatively estimated downward from segment B.
C269	D	X[a]	X						Elevated levels of contamination in C interval	Yes	
C270	D	X[a]							Mercury levels increase with depth	Yes	
C276	D					X			Vertical delineation of PAH contamination	Yes, selected in FSP	This analysis already selected for C276-D in FSP.
C277	C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Willamette Cove	Yes	
C282	A, B and D							X	Bunker oil seep nearby	Yes	C282-A already selected for PCB and PAH analysis, may be insuff. volume; could use G282 for TPH (closer to shore)
C290	A, B and D		X	X			X	X	Delineation of contamination at Willamette Cove	Yes	
C291	A, B and C		X	X			X		Delineation of contamination at Willamette Cove	Yes	
C293-2	B2			X[b]			X		Subsurface dioxin and PCB congener and dioxin data in vicinity of Willamette Cove	Yes	
C299	A and C		X	X					Offshore delineation of PCBs and pesticides	Yes	
C300	A, B and D		X	X					Offshore delineation of PCBs and pesticides	Yes	
C302	B and C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Wacker	Yes	
C521	B and D		X	X					Offshore delineation of PCBs and pesticides	Agreed to change. Dropped A, replace E with D for pesticides.	No to A, collocated G521 which represents A was already analyzed for Pest/PCBs. C521 B and D already selected PCB analysis in FSP; C521 C and E already selected for pesticide anlysis. Do B and D for both as requested.
C314	D	X[a]							Elevated levels of mercury detected in C interval	Yes	
C323	E								Elevated levels of copper in C324-E	Agreed to change. Dropped metals analysis.	Concentrations decrease w/depth and this segment E is only 1 ft thick.
C327	D	X[C]		X[b]					Mercury levels increase with depth; subsurface congener data	Agreed to change. Added metals analysis.	
C329	A, B and D							X	Elevated levels of PAH contamination; no TPH data	Yes	
C335	A, C and E							X	Elevated levels of PAH contamination; no TPH data	Yes	
C335	E						X		Delineation of dioxin contamination	Agreed to change. Dropped D sample.	C335-E already selected for dioxin analysis; concentrations in -B (41 pg/g) and -C (11.9 pg/g) show decreasing w/depth. Will interpolate between C and E conservatively
C348	A and B						X		Delineation of dioxin contamination downstream of C351	Yes	
C342	B and C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Triangle Park	Yes	
C347	E	X[c]				X			Elevated levels of PAHs, copper, zinc and mercury in interval C	Yes	
C349	D	X[a]							Mercury levels increase with depth	Yes	
C356	D								Elevated levels of zinc and chromium in interval C	Agreed to change. Dropped metals analysis.	Sample interval less than 2 ft thick. Will extrapolate higher C levels to E
C356	A, B and D			X					Offshore delineation of PCB contamination	Yes	
C361	A and C			X					Offshore delineation of PCB contamination	Yes	B not C, there is no C at this location
C364	D	X[a]							Mercury levels increase with depth	Yes	

C366	F1			X					Delineation of PCB contamination,	Yes	
C366	C1			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Arkema	Yes	
C371	B			X[b]					Subsurface congener data in vicinity of Arkema		
C377	D					X	X		Vertical delineation of dioxin PCBs, pesticides and PAHs	Agreed to change. Dropped PCB/Pests analyses.	vertical gap is ~ 3ft, will interpolate conservatively
C377	E			X[b]					Subsurface dioxin and PCB congener data in vicinity of Willbridge/Arkema	Yes	C377-E was already analyzed for dioxins. Congeners will be analyzed
C379	A, B and D							X	Spatial coverage of TPH	Yes	
C380	A, C and E							X	Spatial coverage of TPH; downstream from M1 Outfall	Yes	
C382	B			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Shipyard/Swan Island Lagoon	Yes	
C397	C			X[b]					Subsurface PCB congener data in vicinity of Shipyard/Swan Island Lagoon	Yes	
C401	E			X[b]					Subsurface congener data in vicinity of Willbridge	Yes	
C405	B						X		Additional dioxin data in Swan Island Lagoon (east bank)	Yes	
C409	A and B	X[e]							Delineation of TBT upstream from shipyard		
C409	C			X[b]					Subsurface congener data in vicinity of Shipyard (Channel)	Yes	
C415	A, B, D						X	X	Spatial coverage of **TPH**	Yes	no A sample, will use older G415 sample archive
C417	C						X		Vertical delineation of contamination	Agreed to change. Dropped metals, PCB/Pests analyses.	yes to dioxin, will conservatvely assume higher B levels for metals, PCBs, pesticides extend to D.
C420	A and B	X[e]							Delineation of TBT upstream from shipyard	Yes	
C420	C			X[b]					Subsurface congener data in vicinity of Shipyard (Channel)	Yes	
C421	A, B and D		X						Spatial coverage within Swan Island Lagoon	Yes	
C421	E			X					Vertical delineation of PCB contamination	Agreed to change. Dropped D sample.	analyze E only and conservatively assume levels for D and F
C426	D								Elevated levels of copper detected in interval C	Agreed to change. Dropped metals analysis	Cu decreasing with depth, will assume C level extends to bottom of core
C430	C						X		Additional dioxin data in Swan Island Lagoon (head)	Yes	
C430	D								Vertical delineation of copper and mercury contamination	Agreed to change. Dropped metals and Hg analysis	will conservatively assume E levels extend upward to C
C431	B			X[b]			X		Subsurface dioxin and PCB congener data downstream of Gunderson	Yes	
C431	E								Vertical delineation of DDT contamination	Agreed to change. Dropped pesticides analysis	C431-F already selected for Pest and SVOCs analysis, will conservatively interpolate E levels
C436	A and C		X						Elevated levels of total chlordane detected in C441	Yes	
C436	D	X[a]							Mercury levels increase with depth	Yes	
C440	A and C		X						Spatial coverage of pesticides	Yes	
C441	A1, B1 and D1							X	Spatial coverage of TPH	Yes	
C444	D	X[a]							Mercury levels increase with depth; high levels of mercury	Yes	
C445	D	X							Elevated levels of arsenic, Copper, lead, zinc, PCBs and pesticides detected in interval C and E	Agreed to change. Dropped PCB/pesticides analyses	for PCB/Pesticides will make most conservative assumptions about D concentrations
C447	A and C		X						Spatial coverage of pesticides	Yes	
C448	A, C and E?		X						Spatial coverage of pesticides	Yes	no E Sample for this core
C448	D							X	Vertical delineation of TPH	Yes	
C453	B			X[b]			X		PCB and potential dioxin source area	Agreed to change. Dropped C sample	congeners , dioxins on B only where conc peaks
C455	B and C			X[b]			X		PCB and potential dioxin source area	Yes	
C456	B and C							X	Lateral delineation of TPH	Yes	
C457	D	X plus TBT		X	X	X			Elevated levels of contamination in C and E intervals	Agreed to change. Add TBT analysis	

C461	A, B, D							X	Spatial coverage	Yes
C477	B			X[b]					Subsurface congener data downstream of Fire boat area	
C494	A, B, D							X	No nearby TPH data; stormwater discharge area	Yes
C494	C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Fire boat area	Yes

Footnotes:
a: Mercury only
b: PCB Congeners only
c: Metals and mercury
d: PCB Aroclors and Congeners
e: TBT only

Sediment Core	Archived Interval	Analytes							EPA Rationale	Agree?	Note
		Metals	Pesticides	PCBs	SVOCs	PAHs	Dioxin	TPH			
C011	C2						X		Additional dioxin delineation	Yes	
C011	E	X[a]							Mercury required due to increasing concentrations in core	Yes	
C015	B						X		Elevated levels of PCBs; spatial coverage for dioxin off shore of OSM	Yes	
C015	E	X							Elevated zinc in interval D	Yes	FSP already calls for this
C019	B2			X[b]			X		High levels of PCBs in interval B1	Yes	G019 was selected for congener analysis, Why not do B1 instead of B2? So aroclor/congener/ dioxin data from same sample
C025	B2			X[b]			X		High levels of PCBs in interval C1	Yes	G025 was selected for congener analysis. Why not do B1?
C061	D	X[a]							Elevated levels of mercury in interval C	No	will assume C concentration level extends to E
C067	A and B						X		Pentachlorophenol source nearby	Yes	
C093	A and B			X[b]			X	X	Elevated levels of PCBs and PAHs in intervals A and B	Yes	
C111-2	D2			X			X		Elevated levels of PCBs and dioxins in upper intervals	No	D is middle section where conc already shown to increase only slightly from C to E (183 ug/kg to 220 ug/kg), for this and dioxin we will assume higher concentration all the way to next adjoining data point
C111-2	B2			X[b]					Elevated levels of PCBs in interval B2	Yes	
C112	A, C and D							X	Elevated levels of PAHs; downstream of T4	Yes	
C112	B						X		Delineation of Dioxin offshore of Schnitzer	Yes	
C121	D							X	Vertical delineation of TPH	Yes	C121-D already selected for PCB/Pest/SVOCs/PAH analysis, TPH will be done if adequate archive volume
C133	C		X	X					Elevated levels of dioxin, DDT and PCBs in D interval	partial Yes	yes to PCBs, Total DDT levels comparable throughout area, will assume higher D level concentration extends upward to B level.
C135	B and D		X						DDT detected at elevated levels in surrounding cores and	Yes	
C135	D							X	Vertical delineation of TPH	Yes	
C136	B and C						X		Elevated detections of dioxin nearby (G133-D and B012)	Yes	
C138	A, B and D		X						DDT detected at elevated levels in surrounding cores	Yes	
C144	A, B and D		X	X			X		DDT and PCBs detected at elevated levels in surrounding cores; no dioxin samples	Yes	C144 is an offshore core, C144-C is already selected for PAH analysis.
C147	D		X	X					Elevated levels of DDT and PCBs in C interval	No	C147-D archive is an intermediate sample. We will assume higher concentration in C segments extends to the E segment.
C148	B and D		X	X					DDT and PCBs detected at elevated levels in C147	Yes	
C152	E	X[a]						X	Vertical delineation of mercury and TPH	Yes	
C156	D	X[a]						X	Elevated levels of mercury and TPH detected in C interval	Yes	Analyze F instead to get to max depth and interpolate conservatively.
C158	A, B and D		X	X					Spatial coverage	No	nearshore core concentrations are all low or U, nearby C162 (see below) will provide spatial coverage as will DMMP surface station G-30 which is slightly inshore and between C162 and C158.
C162	A, B and D		X	X					DDT and PCBs detected at elevated levels in C166	Yes	C162 is offshore and downstream of C166, so it makes sense. C162-D is already selected for metals, SVOC, and PAH analyses.
C164	D	X							Elevated levels of copper and lead in interval E	No	C164-D interval begins at 9' beloqw mudline and is only 2' thick. We have data on C and E that shows E having highest concentrations, we will assume E segment concentrations extend upward to C segment boundary.
C169	A and C		X	X					DDT and PCBs detected at elevated levels in surrounding cores	Yes	Nearby upstream core C171 contains elevated conc. C169-D archive already selected for metals, SVOC, and PAH analyses.
C172	D			X					Elevated levels of PCBs detected in C interval	No	C172-E already selected for metals, PCB, Pest, SVOC, and PAH analyses, Highest adjacent PCB and other analyte values will be applied to the D segment.
C173	B and D		X	X					DDT and PCBs detected at elevated levels in surrounding cores	Yes	Downstream core C171 shows elevated conce. C173-E already selected for metals, SVOC, and PAH analyses.
C182	D	X[a]						X	Elevated levels of mercury and TPH detected in C interval	Yes	TPH depth not delineated, but this sample is already slated for PCB, Pest, SVOC, PAH analyses - is volume sufficient? Hg Holding time expired.
C184	B and C			X[b]					Elevated levels of PCBs detected in core	partial Yes	Why do need both? Do B only (higher conc) for congeners
C185	D							X	Elevated levels of TPH detected in C interval	Yes	
C196	A, B and C		X	X			X		Delineation of contamination at MarCom	partial Yes	yes to dioxins on A,B (C is thin and can extrapolate B level to bottom - sediments are sandy). No to PCBs/Pesticides as DMMP station C-23 and G-23 will provide delineation of these compounds in the immediate area
C202	D	X[a]						X	Elevated levels of mercury and TPH detected in C interval	Yes	
C203	C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of MarCom	Yes	
C207	C			X[b]					Subsurface congener data in vicinity of MarCom	No	Will get congener data for area from C203
C215	A, B and C			X					Delineation of contamination at MarCom	No	G215 (surface) collocated and analyzed for PCBs. C215-B and C already selected for PCB & Pest analyses.
C221	D							X	TPH concentrations increase with depth	No	No archived sample
C232	B						X		Potential pentachlorophenol source nearby	Yes	
C260	D	X[a]							Vertical delineation of mercury contamination	No	Hg concentration decreasing with depth. Assume C segment levels (0.2 ppm) extend to D segment
C263	C	X[c]	X	X[d]					Elevated levels of contamination in B interval; subsurface congener data at US Moorings	partial Yes	Yes to congener analysies. Hg and pesticide concentrations in this intermediate interval can be conservatively estimated downward from segment B.
C269	D	X[a]	X						Elevated levels of contamination in C interval	Yes	
C270	D	X[a]							Mercury levels increase with depth	Yes	
C276	D					X			Vertical delineation of PAH contamination	Yes, selected in FSP	This analysis already selected for C276-D in FSP.
C277	C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Willamette Cove	Yes	
C282	A, B and D							X	Bunker oil seep nearby	Yes	C282-A already selected for PCB and PAH analysis, may be insuff. volume; could use G282 for TPH (closer to shore)
C290	A, B and D		X	X			X	X	Delineation of contamination at Willamette Cove	Yes	
C291	A, B and C		X	X			X		Delineation of contamination at Willamette Cove	No	yes to dioxin. Surrounding samples provide horizonatal and vertical data on PCBs/Pesticides in area
C293-2	B2			X[b]			X		Subsurface dioxin and PCB congener and dioxin data in vicinity of Willamette Cove	No	
C299	A and C		X	X					Offshore delineation of PCBs and pesticides	Yes	
C300	A, B and D		X	X					Offshore delineation of PCBs and pesticides	Yes	

C302	B and C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Wacker	partial Yes	Why do congeners in both B and C, suggest doing B only.
C521	A, B and D		X	X					Offshore delineation of PCBs and pesticides	partial Yes	No to A, collocated G521 which represents A was already analyzed for Pest/PCBs. C521 B and D already selected PCB analysis in FSP; C521 C and E already selected for pesticide anlysis. Recommend doing B and D for both as requested.
C314	D	X[a]							Elevated levels of mercury detected in C interval	Yes	
C323	E	X							Elevated levels of copper in C324-E	No	Concentrations decrease w/depth and this segment E is only 1 ft thick.
C327	D	X[a]		X[b]					Mercury levels increase with depth; subsurface congener data	Yes	
C329	A, B and D							X	Elevated levels of PAH contamination; no TPH data	Yes	
C335	A, C and E							X	Elevated levels of PAH contamination; no TPH data	Yes	
C335	D and E						X		Delineation of dioxin contamination	No to D, E selected in FSP	C335-E already selected for dioxin analysis; concentrations in -B (41 pg/g) and -C (11.9 pg/g) show decreasing w/depth. Will interpolate between C and E conservatively
C348	A and B						X		Delineation of dioxin contamination downstream of C351	Yes	
C342	B and C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Triangle Park	Yes	
C347	E	X[c]				X			Elevated levels of PAHs, copper, zinc and mercury in interval C	Yes	
C349	D	X[a]							Mercury levels increase with depth	Yes	
C356	D	X							Elevated levels of zinc and chromium in interval C	No	Sample interval less than 2 ft thick. Will extrapolate higher C levels to E
C356	A, B and D			X					Offshore delineation of PCB contamination	Yes	
C361	A and C			X					Offshore delineation of PCB contamination	Yes	B not C, there is no C at this location
C364	D	X[a]							Mercury levels increase with depth	Yes	
C366	F1			X					Delineation of PCB contamination,	No	intermediate interval, conc increases from E1 (187 ug/kg) to G1 (832 ug/kg); we will assume G1 level extends upward to E, replicate core shows low concentrations in F1 depth interval
C366	C1			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Arkema	Yes	
C371	B			X[b]					Subsurface congener data in vicinity of Arkema		
C377	D		X	X		X	X		Vertical delineation of dioxin PCBs, pesticides and PAHs	No	vertical gap is ~ 3ft, for all compounds we will interpolate conservatively
C377	E			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Willbridge/Arkema	Yes	C377-E was already analyzed for dioxins. Congeners will be analyzed
C379	A, B and D							X	Spatial coverage of TPH	Yes	
C380	A, C and E							X	Spatial coverage of TPH; downstream from M1 Outfall	Yes	
C382	B			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Shipyard/Swan Island Lagoon	Yes	
C397	C			X[b]					Subsurface PCB congener data in vicinity of Shipyard/Swan Island Lagoon	Yes	
C401	E			X[b]					Subsurface congener data in vicinity of Willbridge	Yes	
C405	B						X		Additional dioxin data in Swan Island Lagoon (east bank)	Yes	
C409	A and B	X[e]							Delineation of TBT upstream from shipyard		
C409	C			X[b]					Subsurface congener data in vicinity of Shipyard (Channel)	Yes	
C415	A, B, D						X	X	Spatial coverage of **TPH**	Yes	no A sample, will use older G415 sample archive
C417	C	X	X	X			X		Vertical delineation of contamination	partial Yes	yes to dioxin, will conservatviely assume higher B levels for metals, PCBs, pesticides extend to D.
C420	A and B	X[e]							Delineation of TBT upstream from shipyard	Yes	
C420	C			X[b]					Subsurface congener data in vicinity of Shipyard (Channel)	Yes	
C421	A, B and D		X						Spatial coverage within Swan Island Lagoon	Yes	
C421	D and E			X					Vertical delineation of PCB contamination	partial Yes	analyze E only and conservatively assume levels for D and F
C426	D	X							Elevated levels of copper detected in interval C	No	Cu decreasing with depth, will assume C level extends to bottom of core
C430	C						X		Additional dioxin data in Swan Island Lagoon (head)	Yes	
C430	D	X[c]							Vertical delineation of copper and mercury contamination	No	will conservatively assume E levels extend upward to C
C431	B			X[b]			X		Subsurface dioxin and PCB congener data downstream of Gunderson	Yes	
C431	E		X						Vertical delineation of DDT contamination	No	C431-F already selected for Pest and SVOCs analysis, will conservatively interpolate E levels
C436	A and C		X						Elevated levels of total chlordane detected in C441	Yes	
C436	D	X[a]							Mercury levels increase with depth	Yes	
C440	A and C		X						Spatial coverage of pesticides	Yes	
C441	A1, B1 and D1							X	Spatial coverage of TPH	Yes	
C444	D	X[a]							Mercury levels increase with depth; high levels of mercury	Yes	
C445	D	X	X	X					Elevated levels of arsenic, Copper, lead, zinc, PCBs and pesticides detected in interval C and E	No	for all analytes, will make most conservative assumptions about D concentrations
C447	A and C		X						Spatial coverage of pesticides	Yes	
C448	A, C and E?		X						Spatial coverage of pesticides	Yes	no E Sample for this core
C448	D							X	Vertical delineation of TPH	Yes	
C453	B and C			X[b]			X		PCB and potential dioxin source area	partial Yes	congeners , dioxins on B only where conc peaks
C455	B and C			X[b]			X		PCB and potential dioxin source area	partial Yes	congeners , dioxins on B only where conc peaks
C456	B and C							X	Lateral delineation of TPH	Yes	
C457	D	X		X	X	X			Elevated levels of contamination in C and E intervals	No	for all analytes, will make most conservative assumptions about D concentrations
C461	A, B, D							X	Spatial coverage	Yes	
C477	B			X[b]					Subsurface congener data downstream of Fire boat area		
C494	A, B, D							X	No nearby TPH data; stormwater discharge area	Yes	
C494	C			X[b]			X		Subsurface dioxin and PCB congener data in vicinity of Fire boat area	Yes	

Table 3-1. Archived Round 2A Subsurface Samples Selected for Analysis.

Core/Grab Samples	METALS						Metals Analyses	PESTICIDES/PCBs			PCBs Analyses	Pesticides Analyses	SVOCs				SVOCs Analyses (w/o PAHs)	PAHs		PAHs Analyses	DIOXINS	Dioxins Analyses
	Arsenic	Cadmium	Chromium	Copper	Lead	Zinc		Total PCBs	Total DDTs	Total Chlordanes			Dibenzofuran	Hexachlorobenzene	4-Methylphenol	Bis(2-ethylhexyl) phthalate		LPAHs	HPAHs		2,3,7,8-TCDD TEQ	
LW2-C011-F1								C011-F1	C011-F1		X	X	C011-F1				X	C011-F1	C011-F1	X		
LW2-C011-G2															C011-G2		X					
LW2-C015-E	C015-E	C015-E				C015-E	X	C015-E	C015-E		X	X	C015-E		C015-E		X	C015-E	C015-E	X		
LW2-C019-D1								C019-D1	C019-D1		X	X				C019-D1	X	C019-D1	C019-D1	X		
LW2-C019-E2		C019-E2			C019-E2	C019-E2	X	C019-E2	C019-E2		X	X				C019-E2	X					
LW2-C020-D		C020-D					X	C020-D	C020-D	C020-D	X	X						C020-D		X		
LW2-C022-D						C022-D	X	C022-D			X				C022-D		X					
LW2-C025-D1								C025-D1			X											
LW2-C025-E2								C025-E2			X											
LW2-C027-D								C027-D			X											
LW2-C034-F									C034-F			X							C034-F	X		
LW2-C060-A				C060-A		C060-A	X	C060-A	C060-A		X	X		C060-A	C060-A		X	C060-A	C060-A	X	C060-A	X
LW2-C061-B								C061-B			X											
LW2-C061-C								C061-C	C061-C		X	X										
LW2-C061-E								C061-E	C061-E		X	X										
LW2-C066-F										C066-F		X										
LW2-C111-A2								C111-A2			X					C111-A2	X				C111-A2	X
LW2-C111-D2																		C111-D2		X		
LW2-C121-D								C121-D	C121-D		X	X	C121-D		C121-D		X	C121-D	C121-D	X		
LW2-C133-C								C133-C			X										C133-C	X
LW2-C135-D					C135-D	C135-D	X	C135-D			X		C135-D			C135-D	X	C135-D	C135-D	X		
LW2-C139-D						C139-D	X	C139-D	C139-D	C139-D	X	X				C139-D	X	C139-D	C139-D	X		
LW2-C144-C																		C144-C		X		
LW2-C144-E																			C144-E	X		
LW2-C148-E					C148-E	C148-E	X											C148-E	C148-E	X		
LW2-C152-E					C152-E	C152-E	X						C152-E		C152-E		X	C152-E	C152-E	X		
LW2-C155-D															C155-D		X	C155-D	C155-D	X		
LW2-C156-F						C156-F	X						C156-F				X	C156-F	C156-F	X		
LW2-C158-E													C158-E				X	C158-E	C158-E	X		
LW2-C162-D					C162-D	C162-D	X						C162-D				X	C162-D	C162-D	X		
LW2-C163-D2					C163-D2	C163-D2	X						C163-D2	C163-D2	C163-D2		X	C163-D2	C163-D2	X		
LW2-C169-D					C169-D	C169-D	X						C169-D	C169-D		C169-D	X	C169-D	C169-D	X		
LW2-C171-A								C171-A	C171-A		X	X										
LW2-C171-D								C171-D	C171-D		X	X	C171-D				X	C171-D	C171-D	X		
LW2-C172-E					C172-E	C172-E	X	C172-E	C172-E	C172-E	X	X	C172-E	C172-E		C172-E	X	C172-E	C172-E	X		
LW2-C173-E						C173-E	X						C173-E	C173-E			X	C173-E	C173-E	X		
LW2-C182-D								C182-D	C182-D		X	X	C182-D	C182-D	C182-D		X	C182-D	C182-D	X		
LW2-C184-E															C184-E		X	C184-E	C184-E	X		
LW2-C185-D													C185-D	C185-D	C185-D	C185-D	X	C185-D	C185-D	X		
LW2-C202-D	C202-D	C202-D	C202-D		C202-D	C202-D	X	C202-D	C202-D		X	X	C202-D		C202-D		X	C202-D	C202-D	X		
LW2-C215-B								C215-B	C215-B		X	X										
LW2-C215-C								C215-C	C215-C	C215-C	X	X										
LW2-C221-D													C221-D				X	C221-D	C221-D	X		
LW2-C245-F																			C245-F	X		
LW2-C252-D								C252-D	C252-D		X	X			C252-D		X	C252-D	C252-D	X		
LW2-C258-D																		C258-D		X		
LW2-C260-D									C260-D			X										
LW2-C264-D								C264-D	C264-D		X	X	C264-D				X	C264-D	C264-D	X		
LW2-C269-A								C269-A			X											
LW2-C269-D								C269-D			X											
LW2-C270-D						C270-D	X		C270-D			X	C270-D	C270-D			X	C270-D	C270-D	X		
LW2-C273-D									C273-D	C273-D		X	C273-D				X	C273-D	C273-D	X		
LW2-C276-D									C276-D			X			C276-D	C276-D	X	C276-D	C276-D	X		
LW2-C282-A								C282-A			X							C282-A	C282-A	X		
LW2-C283-D													C283-D				X					
LW2-C284-E																		C284-E	C284-E	X		
LW2-C293-A2																		C293-A2	C293-A2	X		
LW2-C293-D2															C293-D2		X	C293-D2		X		
LW2-C301-D						C301-A	X															
LW2-C302-D								C302-D	C302-D		X	X		C302-D	C302-D	C302-D	X	C302-D	C302-D	X		
LW2-C314-D						C314-D	X	C314-D	C314-D	C314-D	X	X			C314-D		X	C314-D	C314-D	X	C314-D	X
LW2-C326-D					C326-D		X															
LW2-C327-D	C327-D	C327-D		C327-D	C327-D	C327-D	X	C327-D	C327-D		X	X			C327-D		X	C327-D	C327-D	X	C327-D	X
LW2-C331-G																C331-G	X					

Table 3-1. Archived Round 2A Subsurface Samples Selected for Analysis.

Core/Grab Samples	METALS						Metals Analyses	PESTICIDES/PCBs			PCBs Analyses	Pesticides Analyses	SVOCs				SVOCs Analyses (w/o PAHs)	PAHs		PAHs Analyses	DIOXINS	Dioxins Analyses
	Arsenic	Cadmium	Chromium	Copper	Lead	Zinc		Total PCBs	Total DDTs	Total Chlordanes			Dibenzofuran	Hexachlorobenzene	4-Methylphenol	Bis(2-ethylhexyl) phthalate		LPAHs	HPAHs		2,3,7,8-TCDD TEQ	
LW2-C334-D																					C334-D	X
LW2-C335-E															C335-E		X	C335-E	C335-E	X	C335-E	X
LW2-C342-E																		C342-E	C342-E	X		
LW2-C346-D															C346-D		X	C346-D		X		
LW2-C347-E								C347-E	C347-E		X	X										
LW2-C349-D						C349-D	X		C349-D	C349-D		X			C349-D		X					
LW2-C364-D															C364-D		X	C364-D	C364-D	X		
LW2-C372-E								C372-E			X				C372-E		X	C372-E		X		
LW2-C373-D				C373-D		C373-D	X	C373-D			X					C373-D	X	C373-D		X		
LW2-C382-D									C382-D			X										
LW2-C383-D			C383-D				X															
LW2-C384-F				C384-F			X	C384-E			X								C384-F	X		
LW2-C392-D								C392-D			X											
LW2-C400-D				C400-D		C400-D	X	C400-D			X				C400-D	C400-D	X					
LW2-C401-F								C401-F	C401-F		X	X						C401-F	C401-F	X		
LW2-C403-F			C403-F				X															
LW2-C405-E		C405-E	C405-E		C405-E	C405-E	X	C405-E			X				C405-E	C405-E	X	C405-E	C405-E	X		
LW2-C409-D				C409-D	C409-D		X	C409-D	C409-D		X	X	C409-D				X	C409-D	C409-D	X		
LW2-C415-E			C415-E				X															
LW2-C420-D				C420-D		C420-D	X	C420-D	C420-D		X	X				C420-D	X					
LW2-C421-D				C421-D	C421-D	C421-D	X	C421-D			X											
LW2-C421-F				C421-F	C421-F	C421-F	X	C421-F			X											
LW2-C425-F1								C425-F1			X					C425-F1	X					
LW2-C426-A																			C426-A	X	C426-A	X
LW2-C430-A	C430-A	C430-A	C430-A	C430-A	C430-A	C430-A	X	C430-A			X							C430-A	C430-A	X		
LW2-C431-F									C431-F			X			C431-F		X					
LW2-C434-A																			C434-A	X		
LW2-C436-E	C436-E	C436-E	C436-E	C436-E	C436-E	C436-E	X	C436-E			X		C436-E		C436-E		X	C436-E		X		
LW2-C439-D		C439-D		C439-D	C439-D	C439-D	X	C439-D			X				C439-D	C439-D	X		C439-D	X		
LW2-C440-D	C440-D			C440-D	C440-D	C440-D	X	C440-D			X				C440-D		X		C-440-D	X		
LW2-C444-E				C444-E	C444-E	C444-E	X	C444-E	C444-E		X	X		C444-E	C444-E		X					
LW2-C445-D																			C445-D	X		
LW2-C447-F															C447-F		X					
LW2-C448-D		C448-D		C448-D	C448-D	C448-D	X	C448-D			X					C448-D	X					
LW2-C454-H															C454-H		X					
LW2-C455-F								C455-F			X				C455-F		X	C455-F		X		
LW2-C456-G																		C456-G	C456-G	X		
LW2-C458-D1									C458-D	C458-D		X										
LW2-C458-D2								C458-D2			X											
LW2-C461-D				C461-D	C461-D		X	C461-D			X				C461-D	C461-D	X					
LW2-C462-D								C462-D			X				C462-D		X					
LW2-C468-D								C468-D			X				C468-D	C468-D	X					
LW2-C471-D								C471-D			X											
LW2-C474-D								C474-D			X				C474-D		X					
LW2-C494-A								C494-A			X											
LW2-C521-B								C521-B			X											
LW2-C521-C									C521-C			X										
LW2-C521-D								C521-D			X		C521-D		C521-D	C521-D	X		C521-D	X		
LW2-C521-E								C521-E	C521-E		X	X										
113	= Total No. of Samples Selected																					
TOTALS/Analyte	6	10	7	16	22	32	40	63	38	9	63	39	24	10	38	21	62	52	52	62	8	8

Selection Rationale (see text for additional information)

1. Concentrations increase with depth above the archived segment.
2. Concentration in deepest analyzed segment appears to be locally elevated.
3. Vertical gap (several foot interval) between steep concentration gradient.
4. Core and surface grab locations substantially offset, and elevated concentrations evident in B core segment (analyze A segment).
5. LWG request.